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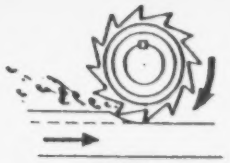
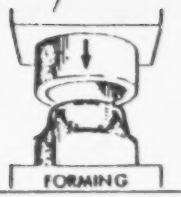


TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS – CUTTING and FORMING

New Orders, Cancellations, Shipments and Backlog



DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1979							
Jan.	$ 470,100,000	$ 48,250,000	$ 518,350,000	3,772.1	$ 217,200,000	$ 27,350,000	$ 244,550,000
Feb.	388,200,000	59,700,000	447,900,000	3,939.7	252,300,000	28,050,000	280,350,000
Mar.	442,950,000	39,000,000	481,950,000	4,088.5	300,250,000	32,900,000	333,150,000
Apr.	414,900,000	46,750,000	461,650,000	4,245.1	266,150,000	38,900,000	305,050,000
May	417,200,000	59,050,000	476,250,000	4,398.8	287,350,000	35,250,000	322,600,000
June	360,100,000	62,500,000	422,600,000	4,470.8	315,550,000	35,000,000	350,550,000
July	332,900,000	29,200,000	362,100,000	4,565.2	236,800,000	30,900,000	267,700,000
Aug.	370,150,000	55,900,000	426,050,000	4,705.9	256,450,000	28,900,000	285,350,000
Sep.	451,850,000	93,750,000	545,600,000	4,904.7	309,550,000	37,250,000	346,800,000
Oct.(P)	440,250,000	124,250,000	564,500,000	5,096.2	343,750,000	29,250,000	373,000,000
10 mos.	$4,088,600,000	$ 618,350,000	$4,706,950,000		$2,785,350,000	$ 323,750,000	$3,109,100,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1979						
Jan.	$ 493,700,000	$ 51,550,000	$ 545,250,000	$ 23,600,000	$ 3,300,000	$ 26,900,000
Feb.	450,550,000	60,550,000	511,100,000	62,350,000	850,000	63,200,000
Mar.	476,750,000	40,250,000	517,000,000	33,800,000	1,250,000	35,050,000
Apr.	450,800,000	49,400,000	500,200,000	35,900,000	2,650,000	38,550,000
May	445,550,000	63,300,000	508,850,000	28,350,000	4,250,000	32,600,000
June	391,200,000	65,150,000	456,350,000	31,100,000	2,650,000	33,750,000
July	352,900,000	32,900,000	385,800,000	20,000,000	3,700,000	23,700,000
Aug.	390,850,000	61,750,000	452,600,000	20,700,000	5,850,000	26,550,000
Sep.	475,450,000	94,850,000	570,300,000	23,600,000	1,100,000	24,700,000
Oct.(P)	476,600,000	136,100,000	612,700,000	36,350,000	11,850,000	48,200,000
10 mos.	$4,404,350,000	$ 655,800,000	$5,060,150,000	$ 315,750,000	$ 37,450,000	$ 353,200,000

This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1e

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog

DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1979							
Jan.	$ 377,250,000	$ 43,500,000	$ 420,750,000	3,224.1	$ 158,600,000	$ 18,700,000	$ 177,300,000
Feb.	310,350,000	50,600,000	360,950,000	3,377.0	184,700,000	23,350,000	208,050,000
Mar.	343,950,000	32,600,000	376,550,000	3,505.4	221,150,000	26,950,000	248,100,000
Apr.	329,950,000	27,750,000	357,700,000	3,636.0	195,600,000	31,550,000	227,150,000
May	340,350,000	49,550,000	389,900,000	3,778.3	218,100,000	29,450,000	247,550,000
June	293,000,000	42,950,000	335,950,000	3,853.2	234,400,000	26,650,000	261,050,000
July	275,350,000	22,550,000	297,900,000	3,956.3	169,900,000	24,900,000	194,800,000
Aug.	296,450,000	51,050,000	347,500,000	4,082.4	197,900,000	23,550,000	221,450,000
Sep.	397,600,000	77,500,000	475,100,000	4,283.9	243,550,000	30,050,000	273,600,000
Oct.(P)	356,500,000	118,900,000	475,400,000	4,477.1	260,100,000	22,050,000	282,150,000
10 mos.	$3,320,750,000	$ 516,950,000	$3,837,700,000		$2,084,000,000	$ 257,200,000	$2,341,200,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1979						
Jan.	$ 394,150,000	$ 46,400,000	$ 440,550,000	$ 16,900,000	$ 2,900,000	$ 19,800,000
Feb.	368,750,000	51,350,000	420,100,000	58,400,000	750,000	59,150,000
Mar.	372,150,000	33,500,000	405,650,000	28,200,000	900,000	29,100,000
Apr.	360,950,000	30,000,000	390,950,000	31,000,000	2,250,000	33,250,000
May	364,900,000	52,500,000	417,400,000	24,550,000	2,950,000	27,500,000
June	319,200,000	45,350,000	364,550,000	26,200,000	2,400,000	28,600,000
July	292,500,000	26,000,000	318,500,000	17,150,000	3,450,000	20,600,000
Aug.	312,250,000	56,500,000	368,750,000	15,800,000	5,450,000	21,250,000
Sep.	415,950,000	78,300,000	494,250,000	18,350,000	800,000	19,150,000
Oct.(P)	389,800,000	129,400,000	519,200,000	33,300,000	10,500,000	43,800,000
10 mos.	$3,590,600,000	$ 549,300,000	$4,139,900,000	$ 269,850,000	$ 32,350,000	$ 302,200,000

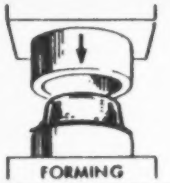
This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1c

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog



DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1979							
Jan.	$ 92,850,000	$ 4,750,000	$ 97,600,000	548.0	$ 58,600,000	$ 8,650,000	$ 67,250,000
Feb.	77,850,000	9,100,000	86,950,000	562.7	67,600,000	4,700,000	72,300,000
Mar.	99,000,000	6,400,000	105,400,000	583.1	79,100,000	5,950,000	85,050,000
Apr.	84,950,000	19,000,000	103,950,000	609.1	70,550,000	7,350,000	77,900,000
May	76,850,000	9,500,000	86,350,000	620.5	69,250,000	5,800,000	75,050,000
June	67,100,000	19,550,000	86,650,000	617.6	81,150,000	8,350,000	89,500,000
July	57,550,000	6,650,000	64,200,000	608.9	66,900,000	6,000,000	72,900,000
Aug.	73,700,000	4,850,000	78,550,000	623.5	58,550,000	5,350,000	63,900,000
Sep.	54,250,000	16,250,000	70,500,000	620.8	66,000,000	7,200,000	73,200,000
Oct.(P)	83,750,000	5,350,000	89,100,000	619.1	83,650,000	7,200,000	90,850,000
10 mos	$ 767,850,000	$ 101,400,000	$ 869,250,000		$ 701,350,000	$ 66,550,000	$ 767,900,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1979						
Jan.	$ 99,550,000	$ 5,150,000	$ 104,700,000	$ 6,700,000	$ 400,000	$ 7,100,000
Feb.	81,800,000	9,200,000	91,000,000	3,950,000	100,000	4,050,000
Mar.	104,600,000	6,750,000	111,350,000	5,600,000	350,000	5,950,000
Apr.	89,850,000	19,400,000	109,250,000	4,900,000	400,000	5,300,000
May	80,650,000	10,800,000	91,450,000	3,800,000	1,300,000	5,100,000
June	72,000,000	19,800,000	91,800,000	4,900,000	250,000	5,150,000
July	60,400,000	6,900,000	67,300,000	2,850,000	250,000	3,100,000
Aug.	78,600,000	5,250,000	83,850,000	4,900,000	400,000	5,300,000
Sep.	59,500,000	16,550,000	76,050,000	5,250,000	300,000	5,550,000
Oct.(P)	86,800,000	6,700,000	93,500,000	3,050,000	1,350,000	4,400,000
10 mos	$ 813,750,000	$106,500,000	$ 920,250,000	$ 45,900,000	$5,100,000	$ 51,000,000

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P - Preliminary

N.M.T.B.A. F - 1d

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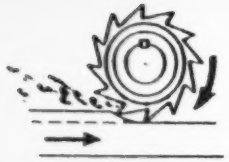
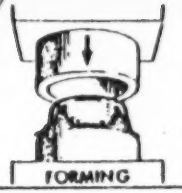


TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS — CUTTING and FORMING

New Orders, Cancellations, Shipments and Backlog



DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1979							
Jan.	$ 470,100,000	$ 48,250,000	$ 518,350,000	3,772.1	$ 217,200,000	$ 27,350,000	$ 244,550,000
Feb.	388,200,000	59,700,000	447,900,000	3,939.7	252,300,000	28,050,000	280,350,000
Mar.	442,950,000	39,000,000	481,950,000	4,088.5	300,250,000	32,900,000	333,150,000
Apr.	414,900,000	46,750,000	461,650,000	4,245.1	266,150,000	38,900,000	305,050,000
May	417,200,000	59,050,000	476,250,000	4,398.8	287,350,000	35,250,000	322,600,000
June	360,100,000	62,500,000	422,600,000	4,470.8	315,550,000	35,000,000	350,550,000
July	332,900,000	29,200,000	362,100,000	4,565.2	236,800,000	30,900,000	267,700,000
Aug.	370,150,000	55,900,000	426,050,000	4,705.9	256,450,000	28,900,000	285,350,000
Sep.	451,850,000	93,750,000	545,600,000	4,904.7	309,550,000	37,250,000	346,800,000
Oct.	438,050,000	127,000,000	565,050,000	5,089.7	350,300,000	29,750,000	380,050,000
Nov.(P)	357,950,000	77,800,000	435,750,000	5,176.9	317,600,000	30,950,000	348,550,000
11 mos.	$4,444,350,000	$ 698,900,000	$5,143,250,000		$3,109,500,000	$ 355,200,000	$3,464,700,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1979						
Jan.	$ 493,700,000	$ 51,550,000	$ 545,250,000	$ 23,600,000	$ 3,300,000	$ 26,900,000
Feb.	450,550,000	60,550,000	511,100,000	62,350,000	850,000	63,200,000
Mar.	476,750,000	40,250,000	517,000,000	33,800,000	1,250,000	35,050,000
Apr.	450,800,000	49,400,000	500,200,000	35,900,000	2,650,000	38,550,000
May	445,550,000	63,300,000	508,850,000	28,350,000	4,250,000	32,600,000
June	391,200,000	65,150,000	456,350,000	31,100,000	2,650,000	33,750,000
July	352,900,000	32,900,000	385,800,000	20,000,000	3,700,000	23,700,000
Aug.	390,850,000	61,750,000	452,600,000	20,700,000	5,850,000	26,550,000
Sep.	475,450,000	94,850,000	570,300,000	23,600,000	1,100,000	24,700,000
Oct.	474,400,000	138,850,000	613,250,000	36,350,000	11,850,000	48,200,000
Nov.(P)	392,800,000	82,750,000	475,550,000	34,850,000	4,950,000	39,800,000
11 mos.	$4,794,950,000	$ 741,300,000	$5,536,250,000	$ 350,600,000	$ 42,400,000	$ 393,000,000

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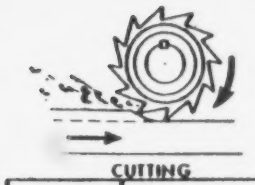
P - Preliminary

N.M.T.B.A. F - 1e



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog

DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1979							
Jan.	$ 377,250,000	$ 43,500,000	$ 420,750,000	3,224.1	$ 158,600,000	$ 18,700,000	$ 177,300,000
Feb.	310,350,000	50,600,000	360,950,000	3,377.0	184,700,000	23,350,000	208,050,000
Mar.	343,950,000	32,600,000	376,550,000	3,505.4	221,150,000	26,950,000	248,100,000
Apr.	329,950,000	27,750,000	357,700,000	3,636.0	195,600,000	31,550,000	227,150,000
May	340,350,000	49,550,000	389,900,000	3,778.3	218,100,000	29,450,000	247,550,000
June	293,000,000	42,950,000	335,950,000	3,853.2	234,400,000	26,650,000	261,050,000
July	275,350,000	22,550,000	297,900,000	3,956.3	169,900,000	24,900,000	194,800,000
Aug.	296,450,000	51,050,000	347,500,000	4,082.4	197,900,000	23,550,000	221,450,000
Sep.	397,600,000	77,500,000	475,100,000	4,283.9	243,550,000	30,050,000	273,600,000
Oct.	354,650,000	121,700,000	476,350,000	4,470.8	266,800,000	22,600,000	289,400,000
Nov.(P)	289,800,000	65,250,000	355,050,000	4,571.5	232,600,000	21,750,000	254,350,000
11 mos.	$3,608,700,000	$ 585,000,000	$4,193,700,000		$2,323,300,000	$ 279,500,000	$2,602,800,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1979						
Jan.	$ 394,150,000	$ 46,400,000	$ 440,550,000	$ 16,900,000	$ 2,900,000	$ 19,800,000
Feb.	368,750,000	51,350,000	420,100,000	58,400,000	750,000	59,150,000
Mar.	372,150,000	33,500,000	405,650,000	28,200,000	900,000	29,100,000
Apr.	360,950,000	30,000,000	390,950,000	31,000,000	2,250,000	33,250,000
May	364,900,000	52,500,000	417,400,000	24,550,000	2,950,000	27,500,000
June	319,200,000	45,350,000	364,550,000	26,200,000	2,400,000	28,600,000
July	292,500,000	26,000,000	318,500,000	17,150,000	3,450,000	20,600,000
Aug.	312,250,000	56,500,000	368,750,000	15,800,000	5,450,000	21,250,000
Sep.	415,950,000	78,300,000	494,250,000	18,350,000	800,000	19,150,000
Oct.	387,950,000	132,200,000	520,150,000	33,300,000	10,500,000	43,800,000
Nov.(P)	320,200,000	69,750,000	389,950,000	30,400,000	4,500,000	34,900,000
11 mos.	$3,908,950,000	$ 621,850,000	$4,530,800,000	$ 300,250,000	$ 36,850,000	$ 337,100,000

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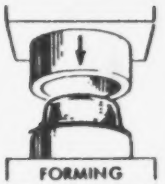
P - Preliminary

N.M.T.B.A. F - 1c

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog



DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1979							
Jan.	$ 92,850,000	$ 4,750,000	$ 97,600,000	548.0	$ 58,600,000	$ 8,650,000	$ 67,250,000
Feb.	77,850,000	9,100,000	86,950,000	562.7	67,600,000	4,700,000	72,300,000
Mar.	99,000,000	6,400,000	105,400,000	583.1	79,100,000	5,950,000	85,050,000
Apr.	84,950,000	19,000,000	103,950,000	609.1	70,550,000	7,350,000	77,900,000
May	76,850,000	9,500,000	86,350,000	620.5	69,250,000	5,800,000	75,050,000
June	67,100,000	19,550,000	86,650,000	617.6	81,150,000	8,350,000	89,500,000
July	57,550,000	6,650,000	64,200,000	608.9	66,900,000	6,000,000	72,900,000
Aug.	73,700,000	4,850,000	78,550,000	623.5	58,550,000	5,350,000	63,900,000
Sep.	54,250,000	16,250,000	70,500,000	620.8	66,000,000	7,200,000	73,200,000
Oct.	83,400,000	5,300,000	88,700,000	618.9	83,500,000	7,150,000	90,650,000
Nov.(P)	68,150,000	12,550,000	80,700,000	605.4	85,000,000	9,200,000	94,200,000
11 mos.	$ 835,650,000	$113,900,000	$ 949,550,000		$ 786,200,000	$ 75,700,000	$ 861,900,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1979						
Jan.	$ 99,550,000	$ 5,150,000	$ 104,700,000	$ 6,700,000	$ 400,000	$ 7,100,000
Feb.	81,800,000	9,200,000	91,000,000	3,950,000	100,000	4,050,000
Mar.	104,600,000	6,750,000	111,350,000	5,600,000	350,000	5,950,000
Apr.	89,850,000	19,400,000	109,250,000	4,900,000	400,000	5,300,000
May	80,650,000	10,800,000	91,450,000	3,800,000	1,300,000	5,100,000
June	72,000,000	19,800,000	91,800,000	4,900,000	250,000	5,150,000
July	60,400,000	6,900,000	67,300,000	2,850,000	250,000	3,100,000
Aug.	78,600,000	5,250,000	83,850,000	4,900,000	400,000	5,300,000
Sep.	59,500,000	16,550,000	76,050,000	5,250,000	300,000	5,550,000
Oct.	86,450,000	6,650,000	93,100,000	3,050,000	1,350,000	4,400,000
Nov.(P)	72,600,000	13,000,000	85,600,000	4,450,000	450,000	4,900,000
11 mos.	$ 886,000,000	$119,450,000	$1,005,450,000	$ 50,350,000	$5,550,000	$ 55,900,000

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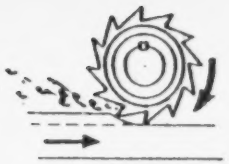
P - Preliminary

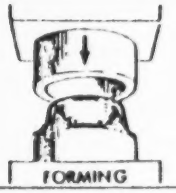
N.M.T.B.A. F - 1d

A8050-1



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS — CUTTING and FORMING

New Orders, Cancellations, Shipments and Backlog



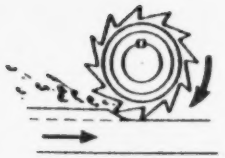
DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1979							
Jan.	$ 470,100,000	$ 48,250,000	$ 518,350,000	3,772.1	$ 217,200,000	$ 27,350,000	$ 244,550,000
Feb.	388,200,000	59,700,000	447,900,000	3,939.7	252,300,000	28,050,000	280,350,000
Mar.	442,950,000	39,000,000	481,950,000	4,088.5	300,250,000	32,900,000	333,150,000
Apr.	414,900,000	46,750,000	461,650,000	4,245.1	266,150,000	38,900,000	305,050,000
May	417,200,000	59,050,000	476,250,000	4,398.8	287,350,000	35,250,000	322,600,000
June	360,100,000	62,500,000	422,600,000	4,470.8	315,550,000	35,000,000	350,550,000
July	332,900,000	29,200,000	362,100,000	4,565.2	236,800,000	30,900,000	267,700,000
Aug.	370,150,000	55,900,000	426,050,000	4,705.9	256,450,000	28,900,000	285,350,000
Sep.	451,850,000	93,750,000	545,600,000	4,904.7	309,550,000	37,250,000	346,800,000
Oct.	438,050,000	127,000,000	565,050,000	5,089.7	350,300,000	29,750,000	380,050,000
Nov.	351,500,000	81,400,000	432,900,000	5,161.3	326,900,000	34,400,000	361,300,000
Dec.	347,800,000	54,500,000	402,300,000	5,164.5	346,500,000	52,600,000	399,100,000
12 mos	$4,785,700,000	$ 757,000,000	$5,542,700,000		$3,465,300,000	$ 411,250,000	$3,876,550,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1979						
Jan.	$ 493,700,000	$ 51,550,000	$ 545,250,000	$ 23,600,000	$ 3,300,000	$ 26,900,000
Feb.	450,550,000	60,550,000	511,100,000	62,350,000	850,000	63,200,000
Mar.	476,750,000	40,250,000	517,000,000	33,800,000	1,250,000	35,050,000
Apr.	450,800,000	49,400,000	500,200,000	35,900,000	2,650,000	38,550,000
May	445,550,000	63,300,000	508,850,000	28,350,000	4,250,000	32,600,000
June	391,200,000	65,150,000	456,350,000	31,100,000	2,650,000	33,750,000
July	352,900,000	32,900,000	385,800,000	20,000,000	3,700,000	23,700,000
Aug.	390,850,000	61,750,000	452,600,000	20,700,000	5,850,000	26,550,000
Sep.	475,450,000	94,850,000	570,300,000	23,600,000	1,100,000	24,700,000
Oct.	474,400,000	138,850,000	613,250,000	36,350,000	11,850,000	48,200,000
Nov.	386,250,000	86,500,000	472,750,000	34,750,000	5,100,000	39,850,000
Dec.	387,200,000	59,700,000	446,900,000	39,400,000	5,200,000	44,600,000
12 mos	$5,175,600,000	$ 804,750,000	$5,980,350,000	$ 389,900,000	$ 47,750,000	$ 437,650,000

This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1e



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog

DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1979							
Jan.	$ 377,250,000	$ 43,500,000	$ 420,750,000	3,224.1	$ 158,600,000	$ 18,700,000	$ 177,300,000
Feb.	310,350,000	50,600,000	360,950,000	3,377.0	184,700,000	23,350,000	208,050,000
Mar.	343,950,000	32,600,000	376,550,000	3,505.4	221,150,000	26,950,000	248,100,000
Apr.	329,950,000	27,750,000	357,700,000	3,636.0	195,600,000	31,550,000	227,150,000
May	340,350,000	49,550,000	389,900,000	3,778.3	218,100,000	29,450,000	247,550,000
June	293,000,000	42,950,000	335,950,000	3,853.2	234,400,000	26,650,000	261,050,000
July	275,350,000	22,550,000	297,900,000	3,956.3	169,900,000	24,900,000	194,800,000
Aug.	296,450,000	51,050,000	347,500,000	4,082.4	197,900,000	23,550,000	221,450,000
Sep.	397,600,000	77,500,000	475,100,000	4,283.9	243,550,000	30,050,000	273,600,000
Oct.	354,650,000	121,700,000	476,350,000	4,470.8	266,800,000	22,600,000	289,400,000
Nov.	283,550,000	68,850,000	352,400,000	4,556.1	241,950,000	25,200,000	267,150,000
Dec.	263,350,000	40,700,000	304,050,000	4,545.7	272,850,000	41,600,000	314,450,000
12 mos.	$3,865,800,000	$ 629,300,000	$4,495,100,000		$2,605,500,000	$ 324,550,000	$2,930,050,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1979						
Jan.	$ 394,150,000	$ 46,400,000	$ 440,550,000	$ 16,900,000	$ 2,900,000	$ 19,800,000
Feb.	368,750,000	51,350,000	420,100,000	58,400,000	750,000	59,150,000
Mar.	372,150,000	33,500,000	405,650,000	28,200,000	900,000	29,100,000
Apr.	360,950,000	30,000,000	390,950,000	31,000,000	2,250,000	33,250,000
May	364,900,000	52,500,000	417,400,000	24,550,000	2,950,000	27,500,000
June	319,200,000	45,350,000	364,550,000	26,200,000	2,400,000	28,600,000
July	292,500,000	26,000,000	318,500,000	17,150,000	3,450,000	20,600,000
Aug.	312,250,000	56,500,000	368,750,000	15,800,000	5,450,000	21,250,000
Sep.	415,950,000	78,300,000	494,250,000	18,350,000	800,000	19,150,000
Oct.	387,950,000	132,200,000	520,150,000	33,300,000	10,500,000	43,800,000
Nov.	313,850,000	73,500,000	387,350,000	30,300,000	4,650,000	34,950,000
Dec.	299,700,000	45,500,000	345,200,000	36,350,000	4,800,000	41,150,000
12 mos.	$4,202,300,000	$ 671,100,000	$4,873,400,000	$ 336,500,000	$ 41,800,000	$ 378,300,000

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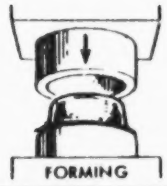
P - Preliminary

N.M.T.B.A. F - 1c

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog



DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1979							
Jan.	$ 92,850,000	$ 4,750,000	$ 97,600,000	548.0	$ 58,600,000	$ 8,650,000	$ 67,250,000
Feb.	77,850,000	9,100,000	86,950,000	562.7	67,600,000	4,700,000	72,300,000
Mar.	99,000,000	6,400,000	105,400,000	583.1	79,100,000	5,950,000	85,050,000
Apr.	84,950,000	19,000,000	103,950,000	609.1	70,550,000	7,350,000	77,900,000
May	76,850,000	9,500,000	86,350,000	620.5	69,250,000	5,800,000	75,050,000
June	67,100,000	19,550,000	86,650,000	617.6	81,150,000	8,350,000	89,500,000
July	57,550,000	6,650,000	64,200,000	608.9	66,900,000	6,000,000	72,900,000
Aug.	73,700,000	4,850,000	78,550,000	623.5	58,550,000	5,350,000	63,900,000
Sep.	54,250,000	16,250,000	70,500,000	620.8	66,000,000	7,200,000	73,200,000
Oct.	83,400,000	5,300,000	88,700,000	618.9	83,500,000	7,150,000	90,650,000
Nov.	67,950,000	12,550,000	80,500,000	605.2	84,950,000	9,200,000	94,150,000
Dec.	84,450,000	13,800,000	98,250,000	618.8	73,650,000	11,000,000	84,650,000
12 mos.	$ 919,900,000	$127,700,000	$1,047,600,000		$ 859,800,000	$ 86,700,000	$ 946,500,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1979						
Jan.	$ 99,550,000	$ 5,150,000	$ 104,700,000	$ 6,700,000	$ 400,000	$ 7,100,000
Feb.	81,800,000	9,200,000	91,000,000	3,950,000	100,000	4,050,000
Mar.	104,600,000	6,750,000	111,350,000	5,600,000	350,000	5,950,000
Apr.	89,850,000	19,400,000	109,250,000	4,900,000	400,000	5,300,000
May	80,650,000	10,800,000	91,450,000	3,800,000	1,300,000	5,100,000
June	72,000,000	19,800,000	91,800,000	4,900,000	250,000	5,150,000
July	60,400,000	6,900,000	67,300,000	2,850,000	250,000	3,100,000
Aug.	78,600,000	5,250,000	83,850,000	4,900,000	400,000	5,300,000
Sep.	59,500,000	16,550,000	76,050,000	5,250,000	300,000	5,550,000
Oct.	86,450,000	6,650,000	93,100,000	3,050,000	1,350,000	4,400,000
Nov.	72,400,000	13,000,000	85,400,000	4,450,000	450,000	4,900,000
Dec.	87,500,000	14,200,000	101,700,000	3,050,000	400,000	3,450,000
12 mos.	$ 973,300,000	$133,650,000	$1,106,950,000	$ 53,400,000	$5,950,000	$ 59,350,000

This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1d

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Thousands of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
Dec. 1979	259,750	34,050	293,800	84,400	14,150	98,550	344,150	48,200	392,350
Nov. 1979	283,550	68,850	352,400	67,950	12,550	80,500	351,500	81,400	432,900
% Change Dec.79:Nov.79	-8.4	-50.5	-16.6	+24.2	+12.7	+22.4	-2.1	-40.8	-9.4
Dec. 1978	238,700	62,450	301,150	73,750	6,500	80,250	312,450	68,950	381,400
% Change Dec.79:Dec.78	+8.8	-45.5	-2.4	+14.4	+117.7	+22.8	+10.1	-30.1	+2.9
Year to Date 1979	3,862,200	622,650	4,484,850	919,850	128,050	1,047,900	4,782,050	750,700	5,532,750
Year to Date 1978	3,043,150	332,300	3,375,450	896,850	71,700	968,550	3,940,000	404,000	4,344,000
% Change 1979:1978	+26.9	+87.4	+32.9	+2.6	+78.6	+8.2	+21.4	+85.8	+27.4

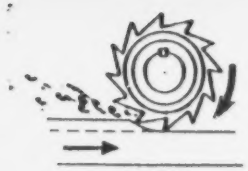
SHIPMENTS -- MACHINE TOOLS
(Thousands of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
Dec. 1979	266,000	40,650	306,650	73,750	10,650	84,400	339,750	51,300	391,050
Nov. 1979	241,950	25,200	267,150	84,950	9,200	94,150	326,900	34,400	361,300
% Change Dec.79:Nov.79	+9.9	+61.3	+14.8	-13.2	+15.8	-10.4	+3.9	+49.1	+8.2
Dec. 1978	196,950	21,550	218,500	74,400	17,000	91,400	271,350	38,550	309,900
% Change Dec.79:Dec.78	+35.1	+88.6	+40.3	-0.9	-37.4	-7.7	+25.2	+33.1	+26.2
Year to Date 1979	2,598,650	323,600	2,922,250	859,900	86,350	946,250	3,458,550	409,950	3,868,500
Year to Date 1978	1,960,100	228,400	2,188,500	728,500	96,450	824,950	2,688,600	324,850	3,013,450
% Change 1979:1978	+32.6	+41.7	+33.5	+18.0	-10.5	+14.7	+28.6	+26.2	+28.4

Source: National Machine Tool Builders' Association

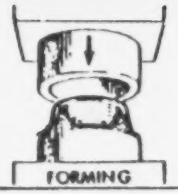
Form No. PRCC-2

A8050-1



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS – CUTTING and FORMING

New Orders, Cancellations, Shipments and Backlog



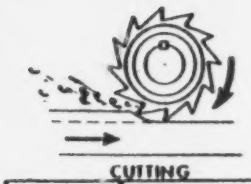
DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980 Jan.(P)	$ 422,650,000	$ 75,800,000	$ 498,450,000	5,333.3	$ 304,550,000	$ 25,100,000	$ 329,650,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980 Jan.(P)	$ 458,150,000	$ 81,850,000	$ 540,000,000	$ 35,500,000	$ 6,050,000	$ 41,550,000

This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1e



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog

DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980 Jan.(P)	$ 355,250,000	$ 62,800,000	$ 418,050,000	4,718.0	$ 228,400,000	$ 17,350,000	$ 245,750,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980 Jan.(P)	$ 385,050,000	$ 67,600,000	$ 452,650,000	$ 29,800,000	$ 4,800,000	$ 34,600,000

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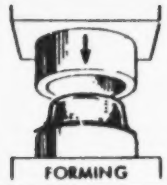
P - Preliminary

N.M.T.B.A. F - 1c

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog



DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980 Jan.(P)	$ 67,400,000	$ 13,000,000	$ 80,400,000	615.3	$ 76,150,000	$ 7,750,000	$ 83,900,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980 Jan.(P)	$ 73,100,000	$ 14,250,000	$ 87,350,000	$ 5,700,000	$ 1,250,000	$ 6,950,000

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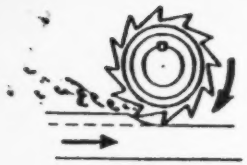
P - Preliminary

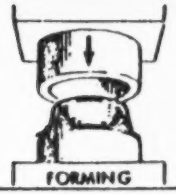
N.M.T.B.A. F - 1d

A8050-1



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS – CUTTING and FORMING

New Orders, Cancellations, Shipments and Backlog



DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 391,900,000	$ 75,000,000	$ 466,900,000	5,300.7	$ 305,800,000	$ 24,900,000	$ 330,700,000
Feb.(P)	454,800,000	45,300,000	500,100,000	5,453.9	314,900,000	32,000,000	346,900,000
2 mos.	$ 846,700,000	$ 120,300,000	$ 967,000,000		$ 620,700,000	$ 56,900,000	$ 677,600,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 427,900,000	$ 81,000,000	$ 508,900,000	$ 36,000,000	$ 6,000,000	$ 42,000,000
Feb.(P)	486,550,000	48,800,000	535,350,000	31,750,000	3,500,000	35,250,000
2 mos.	$ 914,450,000	$ 129,800,000	$1,044,250,000	$ 67,750,000	$ 9,500,000	$ 77,250,000

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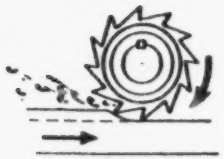
P - Preliminary

N.M.T.B.A. F - 1e



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog

DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 321,550,000	$ 63,550,000	$ 385,100,000	4,682.9	$ 230,600,000	$ 17,250,000	$ 247,850,000
Feb.(P)	363,150,000	38,850,000	402,000,000	4,824.9	235,450,000	24,550,000	260,000,000
2 mos.	$ 684,700,000	$ 102,400,000	$ 787,100,000		$ 466,050,000	$ 41,800,000	$ 507,850,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 351,900,000	$ 68,300,000	$ 420,200,000	$ 30,350,000	$ 4,750,000	$ 35,100,000
Feb.(P)	390,300,000	42,150,000	432,450,000	27,150,000	3,300,000	30,450,000
2 mos.	$ 742,200,000	$ 110,450,000	$ 852,650,000	$ 57,500,000	$ 8,050,000	$ 65,550,000

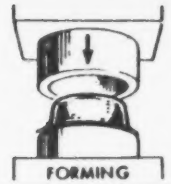
This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1c

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog



DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 70,350,000	$ 11,450,000	$ 81,800,000	617.8	$ 75,200,000	$ 7,650,000	$ 82,850,000
Feb.(P	91,650,000	6,450,000	98,100,000	629.0	79,450,000	7,450,000	86,900,000
2 mos.	$ 162,000,000	$ 17,900,000	$ 179,900,000		$ 154,650,000	$ 15,100,000	$ 169,750,000

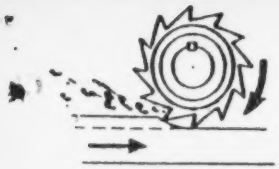
DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 76,000,000	$ 12,700,000	$ 88,700,000	$ 5,650,000	$ 1,250,000	$ 6,900,000
Feb.(P	96,250,000	6,650,000	102,900,000	4,600,000	200,000	4,800,000
2 mos.	$ 172,250,000	$ 19,350,000	$ 191,600,000	$ 10,250,000	$ 1,450,000	$ 11,700,000

This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders Association. These industry estimates have not been adjusted for change in the value of the dollar.

P Preliminary

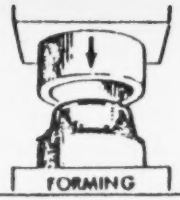
N.M.T.B.A. F - 1d

A8050-1



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS — CUTTING and FORMING

New Orders, Cancellations, Shipments and Backlog



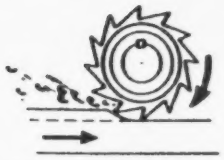
DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 391,900,000	$ 75,000,000	$ 466,900,000	5,300.7	$ 305,800,000	$ 24,900,000	$ 330,700,000
Feb.	453,650,000	47,350,000	501,000,000	5,446.3	322,300,000	33,150,000	355,450,000
Mar.(P)	466,300,000	60,950,000	527,250,000	5,515.0	400,000,000	58,550,000	458,550,000
3 mos.	$1,311,850,000	$ 183,300,000	$1,495,150,000		$1,028,100,000	$ 116,600,000	$1,144,700,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 427,900,000	$ 81,000,000	$ 508,900,000	$ 36,000,000	$ 6,000,000	$ 42,000,000
Feb.	484,700,000	51,150,000	535,850,000	31,050,000	3,800,000	34,850,000
Mar.(P)	501,400,000	62,950,000	564,350,000	35,100,000	2,000,000	37,100,000
3 mos.	$1,414,000,000	$ 195,100,000	$1,609,100,000	$ 102,150,000	$ 11,800,000	$ 113,950,000

This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1e



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog

DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 321,550,000	$ 63,550,000	$ 385,100,000	4,682.9	$ 230,600,000	$ 17,250,000	$ 247,850,000
Feb.	362,000,000	39,900,000	401,900,000	4,818.1	242,850,000	23,900,000	266,750,000
Mar.(P)	373,350,000	46,500,000	419,850,000	4,871.9	319,550,000	46,550,000	366,100,000
3 mos.	$1,056,900,000	$ 149,950,000	$1,206,850,000		$ 793,000,000	$ 87,700,000	$ 880,700,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 351,900,000	$ 68,300,000	$ 420,200,000	$ 30,350,000	$ 4,750,000	$ 35,100,000
Feb.	388,450,000	43,250,000	431,700,000	26,450,000	3,350,000	29,800,000
Mar.(P)	405,750,000	48,200,000	453,950,000	32,400,000	1,700,000	34,100,000
3 mos.	$1,146,100,000	$ 159,750,000	$1,305,850,000	$ 89,200,000	$ 9,800,000	$ 99,000,000

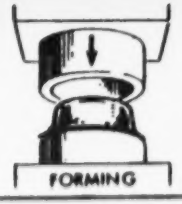
This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1c

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog



DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 70,350,000	$ 11,450,000	$ 81,800,000	617.8	$ 75,200,000	$ 7,650,000	$ 82,850,000
Feb.	91,650,000	7,450,000	99,100,000	628.2	79,450,000	9,250,000	88,700,000
Mar.(P)	92,950,000	14,450,000	107,400,000	643.1	80,450,000	12,000,000	92,450,000
3 mos.	$ 254,950,000	$ 33,350,000	$ 288,300,000		$ 235,100,000	$ 28,900,000	$ 264,000,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 76,000,000	$ 12,700,000	$ 88,700,000	$ 5,650,000	$ 1,250,000	$ 6,900,000
Feb.	96,250,000	7,900,000	104,150,000	4,600,000	450,000	5,050,000
Mar.(P)	95,650,000	14,750,000	110,400,000	2,700,000	300,000	3,000,000
3 mos.	$ 267,900,000	$ 35,350,000	$ 303,250,000	$ 12,950,000	$ 2,000,000	$ 14,950,000

This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1d

A18050-1

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
(DOLLAR FIGURES IN THOUSANDS)
1975 TO DATE

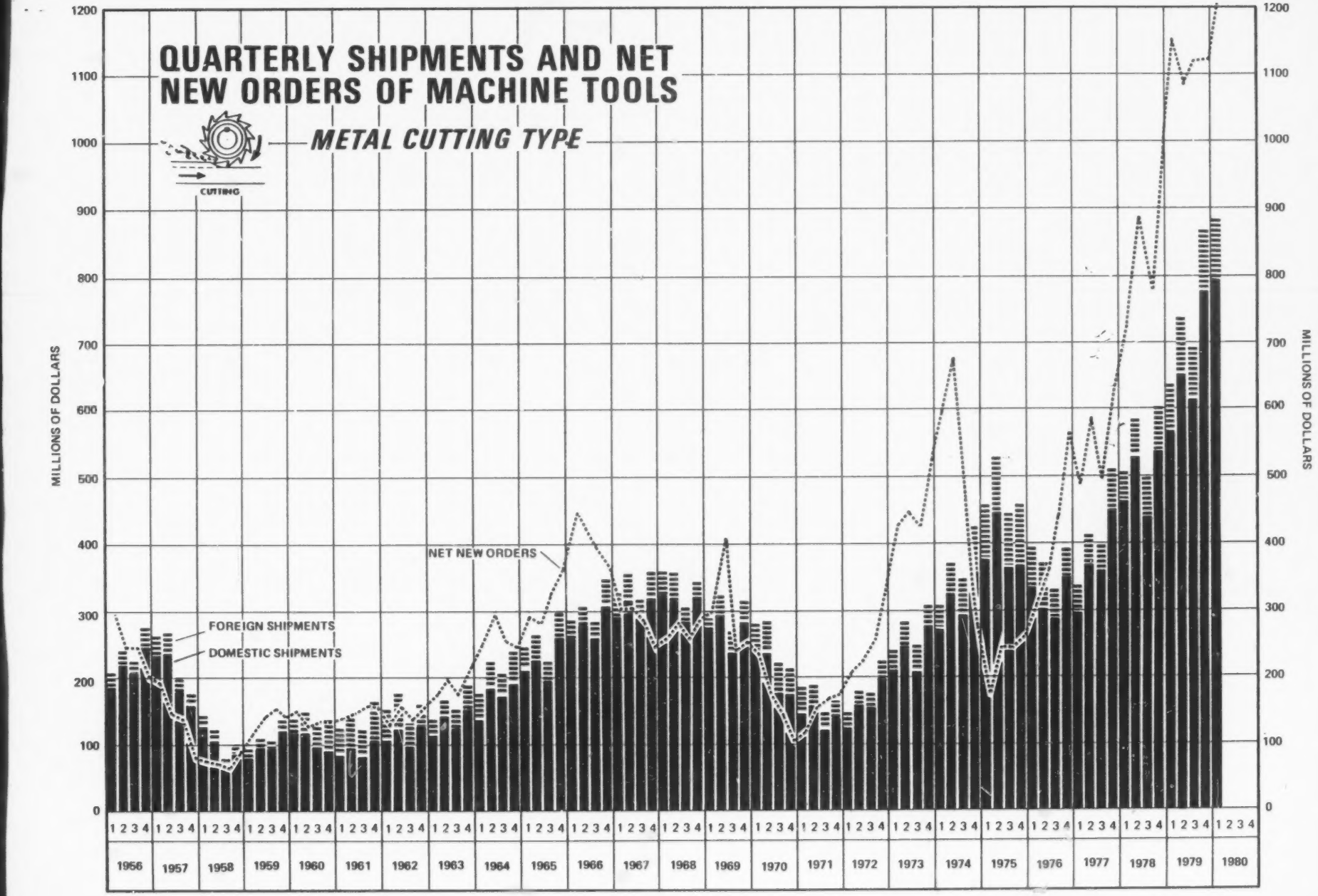
DATE	CUTTING AND FORMING			CUTTING			FORMING		
	SHIPMENTS Total	SHIPMENTS Foreign	NET NEW ORDERS	SHIPMENTS Total	SHIPMENTS Foreign	NET NEW ORDERS	SHIPMENTS Total	SHIPMENTS Foreign	NET NEW ORDERS
1975-1	$ 636,250	$109,700	$ 225,100	$ 453,800	$ 78,400	$ 176,250	$182,450	$ 31,300	$ 48,850
2	656,150	101,400	315,700	526,000	84,550	240,850	128,150	16,850	74,850
3	566,800	99,650	308,450	440,900	79,050	241,350	125,900	20,600	67,100
4	592,500	108,350	337,100	455,950	88,550	257,450	136,550	19,800	79,650
Total	$2,451,700	$419,100	$1,186,350	$1,878,650	$330,550	$ 915,900	$573,050	$ 88,550	$ 270,450
1976-1	$ 531,850	$ 85,300	$ 414,000	$ 392,650	$ 58,500	$ 305,750	$139,200	$ 26,800	$ 108,250
2	517,850	92,450	490,150	367,850	65,750	354,050	150,000	26,700	136,100
3	460,350	66,900	612,300	329,950	45,100	439,400	130,400	21,800	172,900
4	549,600	71,650	713,750	391,650	42,900	562,950	157,950	28,750	150,800
Total	$2,059,650	$316,300	$2,230,200	$1,482,100	$212,250	$1,662,150	$577,550	$104,050	$ 568,050
1977-1	$ 496,900	$ 63,100	$ 654,250	$ 336,100	$ 38,550	$ 489,000	$160,800	$ 24,550	$ 165,250
2	584,700	58,400	775,100	410,800	45,150	583,700	173,900	13,250	191,400
3	524,050	48,050	722,850	395,150	35,850	496,200	128,900	12,200	226,650
4	675,100	81,000	844,700	508,750	61,400	633,150	166,350	19,600	211,550
Total	$2,280,750	$250,550	$2,996,900	$1,650,800	$180,950	$2,202,050	$629,950	$ 69,600	$ 794,850
1978-1	$ 683,200	$ 62,300	$ 950,000	$ 503,850	$ 44,200	$ 723,850	$179,350	$ 18,100	$ 226,150
2	791,600	79,050	1,126,500	584,200	57,250	886,550	207,400	21,800	239,950
3	687,550	77,750	1,031,050	498,050	59,200	776,950	189,500	18,550	254,100
4	851,100	105,750	1,236,450	602,400	67,750	988,100	248,700	38,000	248,350
Total	$3,013,450	$324,850	$4,344,000	$2,188,500	$228,400	$3,375,450	$824,950	$ 96,450	$ 968,550
1979-1	$ 858,050	$ 88,300	$1,448,200	$ 633,450	$ 69,000	$1,158,250	$224,600	$ 19,300	$ 289,950
2	978,200	109,150	1,360,500	735,750	87,650	1,083,550	242,450	21,500	276,950
3	899,850	97,050	1,333,750	689,850	78,500	1,120,500	210,000	18,550	213,250
4	1,140,450	116,750	1,400,250	871,000	89,400	1,132,800	269,450	27,350	267,450
Total	$3,876,550	$411,250	$5,542,700	$2,930,050	$324,550	$4,495,100	$946,500	$ 86,700	$1,047,600
1980-1 P	$1,144,700	$116,600	$1,495,150	$ 880,700	$ 87,700	$1,206,850	$264,000	$ 28,900	$ 288,300
2									
3									
4									

P-Preliminary

NOTE: These data series are available back to 1956. To obtain a copy of the tables for 1956 through 1979, contact: NMTBA Statistical Department, 7901 Westpark Drive, McLean, Virginia 22102. Phone: 703: 893-2900

Source: National Machine Tool Builders' Association

April 22, 1980


QUARTERLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
METAL CUTTING TYPE
CUTTING
MILLIONS OF DOLLARS
MILLIONS OF DOLLARS
NET NEW ORDERS
FOREIGN SHIPMENTS
DOMESTIC SHIPMENTS
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1 2 3 4
1956
1957
1958
1959
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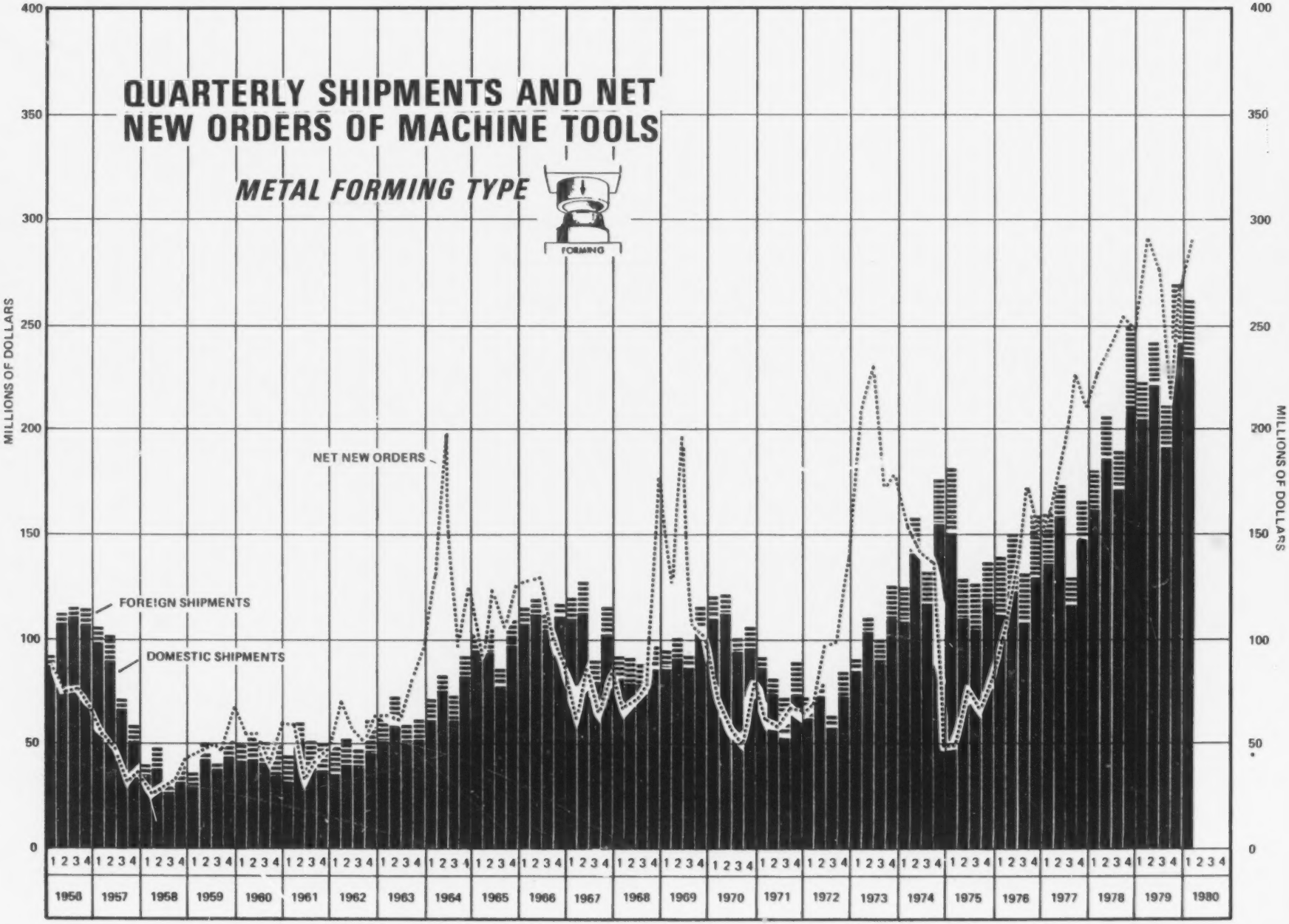
QUARTERLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
METAL FORMING TYPE
FORMING
MILLIONS OF DOLLARS
MILLIONS OF DOLLARS
NET NEW ORDERS
FOREIGN SHIPMENTS
DOMESTIC SHIPMENTS
400
350
300
250
200
150
100
50
0
1 2 3 4
1956
1957
1958
1959
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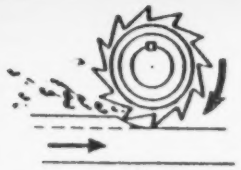
1980



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS — CUTTING and FORMING

New Orders, Cancellations, Shipments and Backlog

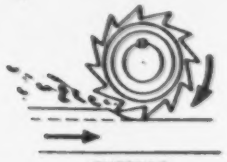
DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 391,900,000	$ 75,000,000	$ 466,900,000	5,300.7	$ 305,800,000	$ 24,900,000	$ 330,700,000
Feb.	453,650,000	47,350,000	501,000,000	5,446.3	322,300,000	33,150,000	355,450,000
Mar.	467,750,000	60,900,000	528,650,000	5,515.0	402,350,000	57,650,000	460,000,000
Apr.(P)	379,300,000	35,650,000	414,950,000	5,585.9	299,800,000	44,200,000	344,000,000
4 mos.	$1,692,600,000	$ 218,900,000	$1,911,500,000		$1,330,250,000	$ 159,900,000	$1,490,150,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 427,900,000	$ 81,000,000	$ 508,900,000	$ 36,000,000	$ 6,000,000	$ 42,000,000
Feb.	484,700,000	51,150,000	535,850,000	31,050,000	3,800,000	34,850,000
Mar.	502,800,000	62,900,000	565,700,000	35,050,000	2,000,000	37,050,000
Apr.(P)	430,650,000	40,350,000	471,000,000	51,350,000	4,700,000	56,050,000
4 mos.	$1,846,050,000	$ 235,400,000	$2,081,450,000	$ 153,450,000	$ 16,500,000	$ 169,950,000

This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1e



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog

DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 321,550,000	$ 63,550,000	$ 385,100,000	4,682.9	$ 230,600,000	$ 17,250,000	$ 247,850,000
Feb.	362,000,000	39,900,000	401,900,000	4,818.1	242,850,000	23,900,000	266,750,000
Mar.	374,350,000	46,450,000	420,800,000	4,872.1	321,200,000	45,600,000	366,800,000
Apr.(P)	329,150,000	28,400,000	357,550,000	4,969.6	226,800,000	33,250,000	260,050,000
4 mos.	$1,387,050,000	$ 178,300,000	$1,565,350,000		$1,021,450,000	$ 120,000,000	$1,141,450,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 351,900,000	$ 68,300,000	$ 420,200,000	$ 30,350,000	$ 4,750,000	$ 35,100,000
Feb.	388,450,000	43,250,000	431,700,000	26,450,000	3,350,000	29,800,000
Mar.	406,700,000	48,150,000	454,850,000	32,350,000	1,700,000	34,050,000
Apr.(P)	374,600,000	32,650,000	407,250,000	45,450,000	4,250,000	49,700,000
4 mos.	$1,521,650,000	$ 192,350,000	$1,714,000,000	$ 134,600,000	$ 14,050,000	$ 148,650,000

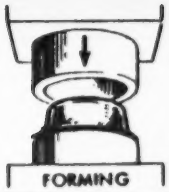
This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1c

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog



DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 70,350,000	$ 11,450,000	$ 81,800,000	617.8	$ 75,200,000	$ 7,650,000	$ 82,850,000
Feb.	91,650,000	7,450,000	99,100,000	628.2	79,450,000	9,250,000	88,700,000
Mar.	93,400,000	14,450,000	107,850,000	642.9	81,150,000	12,050,000	93,200,000
Apr.(P)	50,150,000	7,250,000	57,400,000	616.3	73,000,000	10,950,000	83,950,000
4 mos.	$ 305,550,000	$ 40,600,000	$ 346,150,000		$ 308,800,000	$ 39,900,000	$ 348,700,000

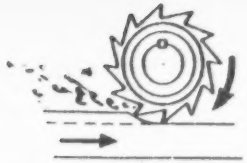
DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 76,000,000	$ 12,700,000	$ 88,700,000	$ 5,650,000	$ 1,250,000	$ 6,900,000
Feb.	96,250,000	7,900,000	104,150,000	4,600,000	450,000	5,050,000
Mar.	96,100,000	14,750,000	110,850,000	2,700,000	300,000	3,000,000
Apr.(P)	56,050,000	7,700,000	63,750,000	5,900,000	450,000	6,350,000
4 mos.	$ 324,400,000	$ 43,050,000	$ 367,450,000	$ 18,850,000	$ 2,450,000	$ 21,300,000

This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

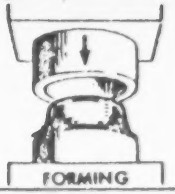
N.M.T.B.A. F - 1d

A80501



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS – CUTTING and FORMING

New Orders, Cancellations, Shipments and Backlog



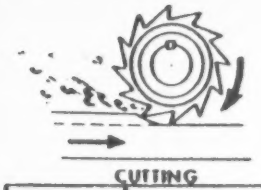
DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 391,900,000	$ 75,000,000	$ 466,900,000	5,300.7	$ 305,800,000	$ 24,900,000	$ 330,700,000
Feb.	453,650,000	47,350,000	501,000,000	5,446.3	322,300,000	33,150,000	355,450,000
Mar.	467,750,000	60,900,000	528,650,000	5,515.0	402,350,000	57,650,000	460,000,000
Apr.	375,450,000	36,450,000	411,900,000	5,583.9	297,300,000	45,750,000	343,050,000
May(P)	395,250,000	38,150,000	433,400,000	5,643.5	322,600,000	51,150,000	373,750,000
5 mos.	$2,084,000,000	$ 257,850,000	$2,341,850,000		$1,650,350,000	$ 212,600,000	$1,862,950,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 427,900,000	$ 81,000,000	$ 508,900,000	$ 36,000,000	$ 6,000,000	$ 42,000,000
Feb.	484,700,000	51,150,000	535,850,000	31,050,000	3,800,000	34,850,000
Mar.	502,800,000	62,900,000	565,700,000	35,050,000	2,000,000	37,050,000
Apr.	426,700,000	41,100,000	467,800,000	51,250,000	4,650,000	55,900,000
May(P)	452,850,000	42,800,000	495,650,000	57,600,000	4,650,000	62,250,000
5 mos.	$2,294,950,000	$ 278,950,000	$2,573,900,000	$ 210,950,000	$ 21,100,000	$ 232,050,000

This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

P - Preliminary

N.M.T.B.A. F - 1e



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog

DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 321,550,000	$ 63,550,000	$ 385,100,000	4,682.9	$ 230,600,000	$ 17,250,000	$ 247,850,000
Feb.	362,000,000	39,900,000	401,900,000	4,818.1	242,850,000	23,900,000	266,750,000
Mar.	374,350,000	46,450,000	420,800,000	4,872.1	321,200,000	45,600,000	366,800,000
Apr.	325,100,000	29,200,000	354,300,000	4,967.6	224,050,000	34,800,000	258,850,000
May(P)	349,050,000	23,900,000	372,950,000	5,057.8	239,650,000	43,100,000	282,750,000
5 mos.	$1,732,050,000	$ 203,000,000	$1,935,050,000		$1,258,350,000	$ 164,650,000	$1,423,000,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 351,900,000	$ 68,300,000	$ 420,200,000	$ 30,350,000	$ 4,750,000	$ 35,100,000
Feb.	388,450,000	43,250,000	431,700,000	26,450,000	3,350,000	29,800,000
Mar.	406,700,000	48,150,000	454,850,000	32,350,000	1,700,000	34,050,000
Apr.	370,450,000	33,400,000	403,850,000	45,350,000	4,200,000	49,550,000
May(P)	401,750,000	28,500,000	430,250,000	52,700,000	4,600,000	57,300,000
5 mos.	$1,919,250,000	$ 221,600,000	$2,140,850,000	$ 187,200,000	$ 18,600,000	$ 205,800,000

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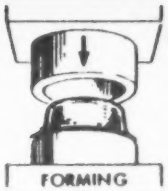
P - Preliminary

N.M.T.B.A. F - 1c

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog



DATE	NET NEW ORDERS			Order Backlog (In Mil. $)	SHIPMENTS		
	Domestic	Foreign	Total		Domestic	Foreign	Total
1980							
Jan.	$ 70,350,000	$ 11,450,000	$ 81,800,000	617.8	$ 75,200,000	$ 7,650,000	$ 82,850,000
Feb.	91,650,000	7,450,000	99,100,000	628.2	79,450,000	9,250,000	88,700,000
Mar.	93,400,000	14,450,000	107,850,000	642.9	81,150,000	12,050,000	93,200,000
Apr.	50,350,000	7,250,000	57,600.000	616.3	73,250,000	10,950,000	84,200,000
May(P)	46,200,000	14,250,000	60,450,000	585.7	82,950,000	8,050,000	91,000,000
5 mos.	$ 351,950,000	$ 54,850,000	$ 406,800,000		$ 392,000,000	$ 47,950,000	$ 439,950,000

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1980						
Jan.	$ 76,000,000	$ 12,700,000	$ 88,700,000	$ 5,650,000	$ 1,250,000	$ 6,900,000
Feb.	96,250,000	7,900,000	104,150,000	4,600,000	450,000	5,050,000
Mar.	96,100,000	14,750,000	110,850,000	2,700,000	300,000	3,000,000
Apr.	56,250,000	7,700,000	63,950,000	5,900,000	450,000	6,350,000
May(P)	51,100,000	14,300,000	65,400,000	4,900,000	50,000	4,950,000
5 mos.	$ 375,700,000	$ 57,350,000	$ 433,050,000	$ 23,750,000	$ 2,500,000	$ 26,250,000

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P Preliminary

N.M.T.B.A. F - 1d